

Table ENG-4. - Building Site Development

Powhatan County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Abell	75	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave		Not limited	
					0.99 0.10		
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
2B:							
Altavista	80	Very limited Low strength Flooding Depth to saturated zone		Very limited Depth to saturated zone Cutbanks cave		Somewhat limited Depth to saturated zone	
			1.00 0.40 0.19		1.00 0.10		0.19
3B:							
Appling	75	Somewhat limited Low strength		Somewhat limited Too clayey Cutbanks cave		Not limited	
			0.78		0.28 0.10		
Partlow	3	Not Rated		Not Rated		Not Rated	
3C:							
Appling	85	Somewhat limited Low strength Slope		Somewhat limited Slope Too clayey Cutbanks cave		Somewhat limited Slope	
			0.78 0.37		0.37 0.28 0.10		0.37
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
4:							
Augusta	85	Very limited Low strength Depth to saturated zone		Very limited Depth to saturated zone Cutbanks cave		Somewhat limited Depth to saturated zone	
			1.00 0.75		1.00 0.10		0.75
5B:							
Buncombe	85	Very limited Flooding		Very limited Cutbanks cave Flooding		Somewhat limited Droughty Flooding	
			1.00		1.00 0.60		0.96 0.60

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6B2:							
Cecil	90	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Not limited	
6C2:							
Cecil	80	Very limited Low strength Slope	1.00 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.72 0.37 0.10	Somewhat limited Slope	0.37
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
7:							
Chenneby	75	Very limited Flooding Low strength Depth to saturated zone	1.00 1.00 0.48	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Somewhat limited Flooding Depth to saturated zone	0.60 0.48
Forestdale	3	Not Rated		Not Rated		Not Rated	
Ponded soils	3	Not Rated		Not Rated		Not Rated	
8:							
Chewacla	80	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Ponded soils	5	Not Rated		Not Rated		Not Rated	
Forestdale	4	Not Rated		Not Rated		Not Rated	
9B:							
Creedmoor	90	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
Partlow	3	Not Rated		Not Rated		Not Rated	
10A:							

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10A: Dogue	85	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to saturated zone	0.03
10B: Dogue	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to saturated zone	0.03
10C: Dogue	90	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.37 0.10	Somewhat limited Slope Depth to saturated zone	0.37 0.03
11B: Enon	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
11C: Enon	85	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.13 0.10	Somewhat limited Slope	0.37
12: Forestdale	80	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.80 0.28	Very limited Flooding Depth to saturated zone	1.00 0.94
Ponded soils	5	Not Rated		Not Rated		Not Rated	
13B: Helena	50	Very limited Shrink-swell Low strength Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.75
Enon	25	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14B:							
Kempsville	80	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Gravel content	0.07
				Too clayey	0.13	Droughty	0.04
15B:							
Mayodan	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
15C:							
Mayodan	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.28		
		Slope	0.37	Cutbanks cave	0.10		
Partlow	3	Not Rated		Not Rated		Not Rated	
16C:							
Pacolet	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Slope	0.37	Slope	0.37		
				Cutbanks cave	0.10		
Partlow	3	Not Rated		Not Rated		Not Rated	
16D:							
Pacolet	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
17D3:							
Pacolet	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
17E3:							
Pacolet	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
18B3:							
Pacolet	90	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
18C3:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18C3: Pacolet	85	Very limited Low strength Slope	1.00 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
19: Partlow	85	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Depth to saturated zone Flooding	1.00 0.60
20: Pits	100	Not Rated		Not Rated		Not Rated	
21B: Poindexter	80	Not limited		Somewhat limited Depth to hard bedrock Cutbanks cave Depth to soft bedrock	0.18 0.10 0.01	Somewhat limited Depth to bedrock	0.01
21C: Poindexter	80	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to hard bedrock Cutbanks cave	0.37 0.18 0.10	Somewhat limited Slope Depth to bedrock	0.37 0.01
21D: Poindexter	80	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.18 0.10	Very limited Slope Depth to bedrock	1.00 0.01
21E: Poindexter	80	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.18 0.10	Very limited Slope Depth to bedrock	1.00 0.01
22: Toccoa	85	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone Flooding Cutbanks cave	0.73 0.60 0.10	Somewhat limited Flooding	0.60
23B:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23B: Trenholm	80	Very limited Shrink-swell Low strength Depth to saturated zone	 1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	 1.00 0.28 0.10	Somewhat limited Depth to saturated zone	 0.19
23C: Trenholm	80	Very limited Shrink-swell Low strength Slope	 1.00 1.00 0.37	Very limited Depth to saturated zone Slope Too clayey	 1.00 0.37 0.28	Somewhat limited Slope Depth to saturated zone	 0.37 0.19
24A: Turbeville	85	Somewhat limited Low strength Shrink-swell	 0.78 0.50	Somewhat limited Too clayey Cutbanks cave	 0.13 0.10	Not limited	
24B2: Turbeville	80	Somewhat limited Low strength Shrink-swell	 0.78 0.50	Somewhat limited Too clayey Cutbanks cave	 0.13 0.10	Not limited	
25C: Turbeville	80	Somewhat limited Low strength Shrink-swell Slope	 0.78 0.50 0.37	Somewhat limited Slope Too clayey Cutbanks cave	 0.37 0.13 0.10	Somewhat limited Slope Gravel content	 0.37 0.07
Partlow	3	Not Rated		Not Rated		Not Rated	
25D: Turbeville	80	Very limited Slope Low strength Shrink-swell	 1.00 0.78 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.13 0.10	Very limited Slope Gravel content	 1.00 0.07
26: Udorthents	80	Not Rated		Not Rated		Not Rated	
27B: Wedowee	85	Somewhat limited Low strength	 0.22	Somewhat limited Cutbanks cave Too clayey	 0.10 0.02	Not limited	
27C:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27C:							
Wedowee	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37	Slope	0.37
		Low strength	0.22	Cutbanks cave	0.10		
				Too clayey	0.02		
Partlow	3	Not Rated		Not Rated		Not Rated	
27D:							
Wedowee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	0.22	Cutbanks cave	0.10		
				Too clayey	0.02		
Partlow	3	Not Rated		Not Rated		Not Rated	
DAM:							
Dam	100	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	